

EPA553Ra51 100ug

Eukaryotic Matrix Metalloproteinase 9 (MMP9)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Eukaryotic expression.

Host: Yeast

Residues: Ala226~Asp391

Tags: N-terminal His Tag

Homology: Human 73%, mouse 82%

Tissue Specificity: Lymph, blood, spleen, marrow.

Subcellular Location: Extracellular matrix.Secretd.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Traits: Freeze-dried powder

Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Predicted isoelectric point: 4.9

Predicted Molecular Mass: 19.6kDa

Accurate Molecular Mass: 24kDa as determined by SDS-PAGE reducing conditions.

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

```

                                ANGAP  CHFPFTFEGR  SYLSCTTDGR
NDGKPWCGTT  ADYDTRKYG  FCPSENLYTE  HGNGDGKPCV  FPFIFEGHSY
SACTTKGRSD  GYRWCATTAN  YDQDKADGFC  PTRADVTVTG  GNSAGEMCVF
PFVFLGKQYS  TCTSEGRSDG  RLWCATTSNF  DADKKWGFCP  D
    
```

[IDENTIFICATION]

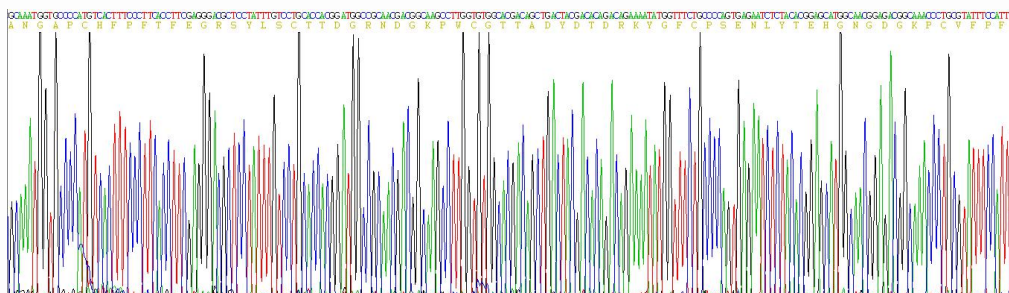


Figure 1. Gene Sequencing (extract)

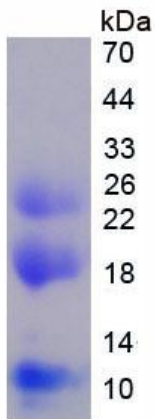


Figure 2. SDS-PAGE